

AMENDMENTS TO THE CLAIMS

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1—16. (Canceled)

17. (Currently Amended) A remote computing server system that includes a server that provides remote client access to one or more programs that are run at the server, remotely from one or more client systems, and wherein the server converts display commands generated from the one or more programs into compressed video streams, the remote computing server system comprising:

a server, executing a plurality of programs, each of which generates a set of display commands which represent a user interface for each of said plurality of programs;

a degradation module for degrading the plurality of sets of display commands responsive to transmission bandwidth limitations that are identified by the server;

a video compressor which receives the degraded plurality of sets of display commands from the degradation module and generates a compressed video stream from each one of said sets; and

a transmitter for the transmission of the plurality of compressed video streams to one or more remote locations.

18. (Original) A server according to claim 17, comprising a mixing box which multiplexes said video streams unto a cable transmission network.

19. (Previously Presented) A server according to claim 17, comprising a mixing box which multiplexes said video streams onto a satellite transmission network.

20. (Currently Amended) In a remote computing server system that includes a server that provides remote client access to one or more programs that are run at the server, remotely from one or more client systems, and wherein the server converts display commands generated from the one or more programs into compressed video streams, A-a method of compressing the video streams and providing video transmission of the compressed video streams for one or more client systems, comprising:

executing, at a server computer, a plurality of programs, each of said programs generating a set of display commands responsive to an Internet connection for a client that is remote from the server computer, the set of display commands representing a user interface for the Internet connection;

identifying a bandwidth limitation corresponding to a network connection between the server computer and client;

degrading said set of display commands responsive to transmission bandwidth limitations, wherein said degradation of said set of display commands is performed prior to compressing said degraded sets of display commands into video streams; and

transmitting each of said degraded sets of display commands to one or more a different remote locations, wherein said degraded sets of display commands are transmitted as compressed video streams.

21. (Original) A method according to claim 20, wherein each of said programs is connected to a different Internet address.

22. (Canceled)

23. (Previously Presented) A method according to claim 20, comprising generating said compressed video streams responsive to known visual limitations at said remote locations.

24. (Previously Presented) A method according to claim 20, comprising generating said compressed video streams responsive to bandwidth limitations on said transmission.

25. (Canceled)

26. (Currently Amended) A remote computing server system that includes a server that provides remote client access to one or more programs that are run at the server, remotely from one or more client systems, and wherein the server converts display commands generated from the one or more programs into compressed video streams, the remote computing server system comprising:~~A multi-headed display generator, comprising:~~

at least one CPU running at least one program, each of said programs generating at least one set of display commands, wherein said programs generate in totality at least two sets of content independent display commands; and

a degradation module for degrading at least one of the two sets of content independent display commands prior to compression, and wherein the degradation module trades off the degradation of one of the two sets with the other; and

at least one compressor which converts said two sets of display commands into two simultaneous compressed video streams,

wherein based on the degradation of the at least one of the two sets of content independent display commands said generator trades off the compression depths of one set of display commands with the compression of a second set of display commands, and

wherein said compression of the said sets utilizes at least one shared resource of said generator.

27. (Original) A generator according to claim 26, wherein said resource comprises CPU resources.

28. (Original) A generator according to claim 26, wherein said resource comprises memory resources.

29. (Canceled)

30. (Previously Presented) A generator according to claim 26, wherein said tradeoff comprises trading off quality between the two command sets.

31. (Previously Presented) A generator according to claim 26, wherein said tradeoff comprises trading off frame rate between the two command sets.

32. (Original) A generator according to claim 26, wherein said generator statistically multiplexes said compressed video streams onto a single transmission bandwidth.

33—35. (Cancelled)

36—40. (Cancelled)

41. (New) A system as recited in claim 17, wherein an entire display comprising the plurality of sets of display commands is built prior to being compressed and such that the plurality of sets of display commands correspond to a single display.

42. (New) A system as recited in claim 41, wherein the plurality of sets of display commands overlap in a virtual display space.

43. (New) A system as recited in claim 17, wherein the sets of display commands are compressed individually on a block by block basis and without building an entire display with the display commands first.

44. (New) A method as recited in claim 26, wherein the server includes a first computer that runs the at least one program and a second computer that includes the at least one compressor for converting the two sets of display commands into compressed video streams.